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OM protein

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Searched:

Sequence:

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Q9AM48
Q9AM4
Q9AM4
Q9AM46
Q93PF7
Q93PF7
Q93PF7
Q93PF8
Q93NN8
Q9AM51
Q8VHS2
Q9AM51
Q9AM51
Q9AM51
Q9DFQ6
Q8TVT5
Q96T57
Q8RSU9
Q8T1A3
Q42701
Q42700
                                                                                                                                Q95YS8
Q9SYJ6
Q93WC5
                                          Q9AM50
                                                                                                                     Q8WXG7
1117
1177
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Q91pr6 squash mosa
                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                     January 9, 2003, 12:23:23; Search time 29 Seconds (without alignments) 92.366 Million cell updates/sec
                                                                                                                                                                                                                                                                                                        Description
     GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                 671580 seqs, 206047115 residues
                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                           protein search, using sw model
                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                sp_archea:*
sp_bacteria:*
sp_fungi:*
sp_human:*
sp_human:*
                                                                                                                                                                                                                                  sp_vertebrate:*
sp_unclassified:*
                                                                                                                                                                                                                                           sp_rvirus:*
sp_bacteriap:*
sp_archeap:*
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sp_mhc:*
sp_organelle:*
                                                                      1 WEVLCWTWETCER 13
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Maximum DB seq length: 200000000
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sp_rodent:*
sp_virus:*
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Match Length DB
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89
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                                                           Title:
Perfect score:
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Database

Q9C693 arabidopsis Q9C693 arabidopsis Q9C99 arabidopsis P7999 oncorhynchu P79905 salmo salar Q8Q1j0 mamestra co O7498 schizosacch O99rv9 caenorhabdi O01979 caenorhabdi O01979 caenorhabdi O05925 caenorhabdi O5925 clostridium Q9v995 drosophila O68438 oltosphila O68438 oltostridium Q8tm4 methanosarc Q05533 saccharomyc Q91PR6 Q05533 Q05693 Q8RX80 P79899 P79899 Q90L0 Q9GRV9 Q01979 Q01979 Q02252 Q99895 087830 068438 08TNM4 10 110 113 113 12 55 55 55.1 555.1 551.7 551.7 551.7 551.7 551.7 69.6 Result ٠ ک

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	40 42		475	10	09SD14	O9sd14 arabidopsis
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			501	10	92X560	
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		47.2	545	13	0902P5	090zp5 oncorhynchu
		47.2	553	13	Q9PTS9	Q9pts9 gallus gall
					ALIGNMENTS	
RESULT	JLT 1					
Q91PR6	PR6					
ΙD	Q91PR6	PRELIMINARY	IARY;		PRT; 1858 AA.	
AC	Q91PR6;					
TO	01-DEC-2001			19,	Created)	
10	01-DEC-2001	(Trembirel.		7,7	Last sequence update) Last appotation update)	(0
1 E	Polyprotein			1	and a minima a contract of the	
C	Samesh moseic virus	io virus				
200	Viruses; ss	RNA posit	ive-	stra	ydruses; ssRNA positive-strand viruses, no DNA stage; Comoviridae;	age; Comoviridae;
000	Comovirus.	4				
) X	NCBI TaxID=12263	12263:				
R. W.	[1]	2				
R.P.	SEQUENCE FROM N.A	OM N.A.				
RC	STRAIN=Y-SOMV;	MV;				
RA	Iwanami T.,	T., Han S.S.,		rase	Karasev A.V.;	
RT	"Nucleotide sequence	sedneuce		a Ja		Squash mosaic virus.";
RL	Submitted (JAN-2001)	JAN-2001)	<u>ئ</u>	the	to the EMBL/GenBank/DDBJ dat	databases.
DR	EMBL; AB054688; BAB62139.1;	688; BAB6	52139	.; :		
DR	InterPro; IPR000605; RNA_helicase	PR000605;	RNA	hel	icase.	
DR	InterPro; I	IPR001205; RNA_pol_P3D.	RNA	od i	P3D.	
DR	Pfam; PF00680; RNA_dep_RNA_pol; 1	80; RNA_C	lep_R	AN D	o <u>l</u> ; 1.	
DR SO	Ptam; PF009	10; RNA_n 1050 AA:	nellcase	ase;	:; I. Mai: B344515083641839 CD064:	. 19080
Ŏ,	SECUENCE	1000 AA;	203	7 / 7		, toyun
ō	Onerv Match		58.	48:	Score 52: DB 12: L	Length 1858;
mă:	Best Local Sim	Similarity	66.78;	78;	red. No. 14;	
Ϋ́	Matches 6;	conservative	ative		I; Mismarches 2;	Tudets 0; caps 0;
Qy	1 WEVLCWTWE	TWE 9				
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qa	1033 WDVFCWDWE	DWE 1041				
RESI	RESULT 2					
100533	533	PRET, TMT NARY	JARY:		PRT: 292 AA.	
AC	005533;				1	
TO	01-NOV-1996 (TrEMBLrel.	(Trembli		01,	Created)	

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Chung M.K., Conn L., Conway A.B., Conway A.R., Creasy T.H., Dewar K., Dunn P., Etgu P., Feldblyum T.V., Feng J.-D., Fong B., Fujii C.Y., Gill J.E., Goldsmith A.D., Haas B., Hansen N.F., Hughes B., Huizar L., Hunter J.L., Jenkins J., Johnson Hopson C., Khan S., Khaykin B., A. Kim C.J., Koo H.L., Kremenetskaia I., Kurtz D.B., Kwan A., Lam B., Langin-Hooper S., Lee A., Lee J.M., Lenz C.A., Li J.H., Li Y.-P., A. Lin S.Y., Liu S.X., Lucos J.S., Maiti R., Marziali A., Miltscher J., Miranda M., Nguyen M., Nierman W.C., Osborne B.I., Pai G., Peterson J., Pham P.K., Rizzo M., Roney T., Rowley D., Sakano H., Salzerg S.L., Schwartz J.R., Shinn P., Southwick A.M., Sun H., Tallon L.J., Tambunga G., Toriumi M.J., Town C.D., Wu D., Yu G., Fraser C.M., Venter J.C., Davis R.W., "" "Sequence and analysis of chromosome I of the plant Arabidopsis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Yamada K., Liu S.X., Sakano H., Pham P.K., Banh J., Chung M.K., Goldsmith A.D., Lee J.M., Quach H.L., Toriumi M., Yu G., Bowser L., Carninci P., Chen H., Cheuk R., Hayashizaki Y., Ishida J., Jones T., Kamiya A., Kazlin-Neumann G., Kawai J., Kim C., Lam B., Lin J., Miranda M., Narusaka M., Nguyen M., Palm C.J., Sakurai T., Satou M., Shinn P., Southwick A., Shinnozaki K., Davis R.W., Ecker J.R.
                                                                                                                                                                                                                                                                                                                                                                                          55.1%; Score 49; DB 10; Length 395; 54.5%; Pred. No. 9.4;
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Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY074538; AAL69506.1; -.
                                                                                                                                                                                                                                                                                                                                           al protein.
395 AA; 46301 MW; B798F3466E3E62D3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5C497EF542EB9A66 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Hypothetical 62.8 kDa protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 55.1%; Score 49; DB 10;
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2; Mismatches
                                                                                                                                                                                                                                                                Nature 408:816-820(2000).

EMBL, AC079733, AAGS0749.1, -.

InterPro, IPR001202, WW_Rsp5_WWP.

PROSITE; PS01159; WW_DOMAIN_1; UNKNOWN_1.
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Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                284 WKLLSWAWLTC 294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=3702;
                                                                                                                                                                                                                                                                                                                                         Hypothetical
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                                                                                                                                                                                                                                                     thaliana.
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Q8RY80;
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P79899;
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Favello A., Fulton L., Gattung S., Greco T., Kirsten J., Kucaba T.,
Hallsworth K., Hawkins J., Hillier L., Jier M., Johnson D.,
Johnston L., Langston Y., Latreille P., Le T., Mardis E., Menezes S.,
Miller N., Nhan M., Pauley A., Peluso D., Rifken L., Riles L.,
Taich A., Trevaskis E., Vignati D., Wilcox L., Wohldman P., Vaudin M.,
Submitted (MAR-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=CV. COLUMBIA;
MEDLINE=21016719; PubMed-11130712;
MEDLINE=21016719; PubMed-11130712;
Theologis A., Ecker J.R., Palm C.J., Federspiel N.A., Kaul S.,
White O., Alonso J., Altafi H., Araujo R., Bowman C.L., Brooks S.Y.,
Buehler E., Chan A., Chao Q., Chen H., Cheuk R.F., Chin C.W.,
                                                                 Saccharomyces cerevisiae (Baker's yeast).
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Saccharomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                           Fulton L.;
Submitted (MAR-1996) to the EMBL/GenBank/DDBJ databases.
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Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL, U51031, AAB64472.1; -.
HSSP; P29218; 11MF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32092 MW; CEA9D943F69E2082 CRC64;
01-NOV-1996 (TrEMBLrel. 01, Last sequence update) 01-JUN-2002 (TrEMBLrel. 21, Last annotation update) Similar to incorpland monophosphatase.

YDR287W OR D9819.7.
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Last sequence update)
Last annotation update)
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Pred. No. 3.6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00459; inositol_P; 1.
PROSITE; PS00629; IMP_1; 1.
PROSITE; PS00630; IMP_2; UNKNOWN_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SGD; S0002695; YDR287W.
InterPro; IPR000760; Inositol_P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57.3%;
54.5%;
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01-JUN-2001 (TrEMBLrel. 17,
01-JUN-2001 (TrEMBLrel. 17,
01-MAR-2002 (TrEMBLrel. 20,
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                                                                                                                        NCBI_TaxID=4932;
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                                                                                                                                                                             STRAIN-S288C;
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Li O., Donly C., Li L., Willis L.G., Theilmann D.A., Eralndson M.A.; Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; U59461; AAM0152.1; -.
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=90/2;
BDLINE-21884635; PubMed-11886270;
Li Q., Donly C., Li L., Willis L.G., Theilmann D.A., Erlandson M.;
"Sequence and Organization of the Mamestra configurata
                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDILINE=97163493; PubMed=9010313;
Li S., Erlandson M., Moody D., Gillott C.;
"A physical map of the Mamestra configurata nucleopolyhedrovirus
genome and sequence analysis of the polyhedrin gene.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seeger K., Harris D., Lyne M., Rajandream M.A., Barrell B.G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 173;
 Length 236;
                                       2; Indels
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173 Aa; 20238 MW; F85DFDAA70912360 CRC64;
                                                                                                                                                                                                                                                                                                                              Viruses; dsDNA viruses, no RNA stage; Baculoviridae;
Nucleopolyhedrovirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-1998 (TrEMBLrel. 08, Created)
01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-JUN-2001 (TrEMBLrel. 17, Last annotation update)
Hypothetical 48.7 kDa protein C285.11 in chromosome
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                                                                                                                                                                                                                  Q80LJO,
01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Hypothetical 20.2 kDa protein.
   Score 47; DB 13;
Pred. No. 12;
3; Mismatches 2;
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Pred. No. 12;
1; Mismatches 4.
                                                                                                                                                                                                     173 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Schizosaccharomyces pombe (Fission yeast).
                                                                                                                                                                                                                                                                                                               Mamestra configurata nucleopolyhedrovirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                       PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gen. Virol. 78:265-271(1997).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51.7%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleopolyhedrovirus Genome. Virology 294:106-121(2002).
   52.8%;
50.0%;
                                       5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                       PRELIMINARY;
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   146 VRCWVWGLCEK 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schizosaccharomyces.
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                                                                                                | :||||:
| 116 WISICWTWDS 125
                      Similarity
                                                                           1 WEVLCWTWET 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A. STRAIN=90/2;
                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=191492;
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                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=90/2
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   Query Match
Best Local S
Matches 5
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                                                                                                                                                                 RESULT 7
                                                                                                                                                                                  Q8QLJ0
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                                                    Pentraxin precursor.

Oncorbynchus mykiss (Rainbow trout) (Salmo gairdneri).

Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Actinopterygii; Neopterygii; Teleostei; Euteleostei;

Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Salmo salar (Atlantic salmon).
Salmo salar (Atlantic salmon).
Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei;
Protacanthopterygii; Salmoniformes; Salmonidae; Salmo.
NCBI_TaxID=8030;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=97131713; Pubmed=8977214;
Jensen L.E., Hiney M.P., Shields D.C., Uhlar C.M., Lindsey A.J.,
Whitehead A.S.;
                                                                                                                                                                                                                                 Jensen L.E., Hiney M.P., Shields D.C., Uhlar C.M., Lindsey A.J., Whitehead A.S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 52.8%; Score 47; DB 13; Length 236; 50.0%; Pred. No. 12; 2; Indels ive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PENTRAXIN.
7F39A5F559025857 CRC64;
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01-MAY-1997 (TrEMBLrel. 03, Created)
01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-MAY-1997 (TrEMBLrel. 03, Last sequence update) 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  236 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               POTENTIAL.
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01-MAY-1997 (TrEMBLrel. 03, Last seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                   TISSUE=LIVER;
MEDLINE=97131713; PubMed=8977214;
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EMBL; X99386; CAA67765.1; -.
HSSP, PO2743; 1SAC.
InterPro; IPPR001759; Pentaxin.
Pfam; PF00554; pentaxin; 1.
ProDom; PD002153; Pentaxin.
ProDom; P0002153; Pentaxin; 1.
SMART; SMQ0159; PTX; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 PO
236 PE
26786 MW;
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236 PE
26835 MW;
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EMBL: X99385; CAA67764.1; -..
HSSP; P02743; ISAC.
InterPro; IPR001759; Pentaxin.
Pfam: PF00354; pentaxin; 1.
                                                                                                                                                                                                                                                                                                                                                                                                   PRINTS; PR00895; PENTAXIN.
ProDom; PD002153; Pentaxin; 1.
SMART; SM00159; PTX; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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236 AA;
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236 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
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                                                                                                                                                                                  SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               phase response.
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SIGNAL
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Gaps

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MEDLINE=94150718; PubMed=7906398;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
                                                                                                                                                                                                                                                                     Nature 368:32-38(1994).
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Best Local Similarity
                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A. Mcmurray A.;
       SEQUENCE FROM N.A.
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928 LLWTWQTC 935
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                                                                                                                                                                                                                                                         elegans."
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Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
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                                                                                                                                                                                           Score 46; DB 3; Length 427;
Pred. No. 28;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'Genome sequence of the nematode C.elegans: A platform for
Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
-!-SIMILARITY: SOME, TO HUMAN KIAA0887.
EMBL; AL031545; CAA20850.1; -.
InterPro; IPR001012; UBX.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           investigating biology.";
Science 282:2012-2018(1998).
EMBL; AL132943; CAC14390.1; -.
SEQUENCE 1042 AA; 116388 WW; FCD2A79BD7359B60 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
Sulston J.E., McLay K.;
Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mcmurray A.;
Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                      COILED COIL (POTENTIAL).
3AA7E161BE1F7D90 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Last sequence update)
Last annotation update)
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Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                      1042 AA.
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Rhabditidae; Peloderinae; Caenorhabditis
NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                           Created)
                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                                                      Pfan: PF00789; UBX; 1.
SMART; SM00166; UBX; 1.
Hypothetical protein; Colled coil.
DOMAIN 248 315 COLLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
MEDLINE-99069613; Pubmed-9851916;
                                                                                                                                                      427 AA; 48670 MW;
                                                                                                                                                                                           51.7%;
60.0%;
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08,
20,
                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-2001 (TrEMBLrel. 16, 01-MAR-2001 (TrEMBLrel. 16, 01-JUN-2002 (TrEMBLrel. 21,
                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6; Conservative
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01-NOV-1998 (TrEMBLrel.
01-MAR-2002 (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Caenorhabditis elegans.
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                                                                                                                                                                                                                                                                                        Y116F11B.3 protein.
Y116F11B.3.
                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                     3 VLCWTWETCE 12
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Best Local Similarity
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F23B2.12.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=6239;
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                                                                                                                                                          SEQUENCE
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Wilson R., Alnscough R., Anderson K., Baynes C., Berks M.,
Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A.,
Craxton M., Dear S., Du Z., Durbin R., Favello A., Fulton L.,
Gardner A., Green P., Hawkins T., Hiller L., Jier M., Johnston L.,
Jones M., Kershaw J., Kirsten J., Laister N., Latreille P.,
Lightning J., Lloyd C., Mcmurray A., Mortimore B., O'Callaghan M.,
Parsons J., Percy C., Rifken L., Roopra A., Saunders D., Shownkeen R.,
Smaldon N., Smith A., Sonnhammer E., Staden R., Sulston J.,
Thierry Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R.,
Watson A., Weinstock L., Wilkinson-Spreat J., Wohldman P.;
"2.2 Mb of contiguous nucleotide sequence from chromosome III of C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Caenorhabditis elegans.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ó
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 5; Length 1080;
67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Genome sequence of the nematode C.elegans: A platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  investigating biology.";
Science 282:2012-2018(1998).
Science 282:2012-2018(1998).
InterPro; IPR000073; Abhydrolase.
InterPro; IPR000379; Ser_estrs_site.
Pfam: PF00561; abhydrolase; 1.
SEQUENCE 1121 AA; 125951 MW; AlB4D7BD92116EB5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases. EMBL; 282266; CAB05187.1; -. EMBL; 268295; CAB05187.1; -. EMBL; 268295; CAB05187.1; -. EMBL; 268295; CAB05188.1; -. EMBL; 282266; CAA92588.1; -. InterPro; IPR000379; Ser_estrs_site. EMBLSPCO; IPR000379; Ser_estrs_site.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McMurray A.A.;
Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51.7%; Score 46; DB 5;
75.0%; Pred. No. 69;
ive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1121 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 51.7%; Score 46; DB Best Local Similarity 75.0%; Pred. No. 67; Matches 6; Conservative 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Created)
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Drosophilidae; Drosophila.
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01-NOV-1998 (TrEMBLrel. 0)
01-NOV-1998 (TrEMBLrel. 0)
Glycosyltransferase.
OLEGI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 50.0
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FlyBase; FBgn0033108;
SEQUENCE 808 AA; 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  131 EIFCW-WEKCDK 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 EVLCWTWETCER 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN-ATCC 11891;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=1890;
Ephydroidea; Dro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     087830;
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087830
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    δλ
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25. -!- CATALYTIC ACTIVITY: HYDROLYSIS OF 1,4-BETA-D-GLUCOSIDIC LINKAGES
26. IN CELLULOSE BAND CELLOTETRAOSE, RELEASING CELLOBIOSE FROM THE NON-
27. REDUCING ENDS OF THE CHAINS.
28. EMBL; X80993; CAA56918.1; -.
29. REDUCING ENDS OF THE CHAINS.
29. RISEP, Q06851; INBC.
30. RICEPTO; IPR001956; CBD_3.
31. RICEPTO; IPR001956; CBD_3.
32. RICEPTO; IPR001956; CBD_3.
33. RICEPTO; IPR002105; Dockerin_1.
34. RICEPTO; IPR002105; Dockerin_1.
35. RICEPTO; IPR002105; Dockerin_1.
36. RICEPTO; IPR002104; EF-hand.
37. RICEPTO; IPR002104; EF-hand.
38. RICEPTO; IPR002104; ER-hand.
39. RICEPTO; IPR002104; ER-hand.
39. RICEPTO; IPR002104; ER-hand.
30. RICEPTO; IPR002104; Dockerin_1.
30. RICEPTO; PR002108; CBM_4-9; 1.
30. RICEPTO; PR002108; CBM_4-9; 1.
30. RICEPTO; PR002108; CBM_3; 1.
31. RICEPTO; PR002108; CBM_3; 1.
32. RICEPTO; PR002108; CBM_3; 1.
33. RICEPTO; PR002108; CBM_3; 1.
34. RICEPTO; PR002108; CBM_3; 1.
35. RICEPTO; PR002108; CBM_3; 1.
36. RICEM_3; PR002109; CBM_3; 1.
37. RICEPTO; PR002108; CBM_3; 1.
38. RICEM_3; PR002109; CBM_3; 1.
39. RICEM_3; PR002109; CBM_3; 1.
39. RICEM_3; PR002109; CBM_3; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
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                                                                01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-NOV-2002 (TrEMBLrel. 21, Last annotation update)
cellulose 1,4-bera-CELLOBIOSIDASE (EC 3.2.1.31) (Excolucanase)
(Exocelloblohydrolase) (1,4-beta-cellobiohydrolase).
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                                                                                                                                                                Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia; Clostridiales; Clostridiaceae; Clostridium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1230;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                  Submitted (AUG-1994) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 46; DB 2;
Pred. No. 76;
                                        1230 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           808 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE; PS00448; CLOS_CELLULOSOME_RPT; 1.
PROSITE; PS00448; CLOS_CELLULOSOME_RPT; 1.
PROSITE; PS001018; EF_HAND; UNKNOWN_2.
PROSITE; PS00592; GLYCOSYL_HYDROL_F9_1; 1.
PROSITE; PS00698; GLYCOSYL_HYDROL_F9_1; 1.
PROSITE; PS00213; LIPOCALIN; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                        PRT;
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                                                                                                                                                                                                                                                                                            SEQUENCE OF 1-315 FROM N.A.
                                                                                                                                                      Clostridium thermocellum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7; Conservative
                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Glycosidase; Hydrolase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 EVLCWTWETCE 12
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50 EGLCYPWHTCE 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                             NCBI_TaxID=1515;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CG15236 protein.
                                                                                                                                                                                                                                                   Zverlov V.V.;
                                                                                                                                                                                                                                                                                                                        Zverlov V.V.;
                                                                                                                                       CBH3 OR CBHA.
                                                                                                                                                                                                                                        STRAIN=F7;
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                                        059325
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             RESULT 12
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RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D., RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D., RA Adams M.D., Celniker S.E., Holt R.A., Fushins R.A., Galle R.F., Gocayne G.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F., Sutton G.G., Worthand J.R., Yandell M.D., Zhang Q., Chen L.X., Bardon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfelifer B.D., RA Adams M.D., Davie C.G., Worthand J.R., An H.-J., Andrews-Fennech C., Baldwin D., Ballew R.M., Basu A., Barondale J., Bayraktrorglu L., Basaley E.M., Ballew R.M., Basu A., Barondale J., Bayraktrorglu L., Basaley E.M., Ballew R.M., Bochon B.P., Burdlew R., Chandra I., Randrova D., Botcham M.R., Bouck J., Bayraktrorglu L., Beasley E.M., Ballew R.M., Cawley S., Dahlke C., Davangort L.B., Davies P., Chindra I., Randrova D., Botcher A., Dabng Z., Mays A.D., Dew I., Dietz S.M., Dodgon K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P., Ra Botsler C., Gabriellan A.E., Garg N.S., Gelbart W.M., Glasser K., Along F., Gorrell J.H., Gu Z., Rennison J.A., Ketchum K.A., RA Harris N.L., Harvey D., Heiman T.J., Wei M.-H., Ibegwam C., Jasier C., Gabriellan A.E., Garg N.S., Galbart W.M., Glasser K., Alusko P., Lei L., Kadlar C.D., Kraft C., Kravitz S., Kulp D., Lai Z., Liang Y., Lin X., Mattei B., McIntod T.J., Wei M.-H., Ibegwam C., Alusko P., Lei Y., Levitsky A.A., Li J., Wei M.-H., Ibegwam C., Mattei B., McIntod R.D., Worthed M.P., McDreof D., Moshrefl A., Reinert K., Remington K.A., Nuixon K., Du Strong N., Puri V., Reach J. M., Ralson D.R., Moly M., Murphy B., McIntod M.P., McDreof J., Moshrefl A., Ralson D.R., Molth G., Standers R.D.C., Scheeler F., Shen H., Spieler E., Spadling A.C., Standers R.D.C., Scheeler F., Shen H., Ralson D.R., Wassarman D.A., Weinstcok M., Weinstcok J.C., Wassarman D.A., Weinstcok M., Weinster B., Walliams S.M., Woodage T., Worley R., Zhu S., Zhu 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Streptomyces antibioticus.
Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
Actinomycetales; Streptomycineae; Streptomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04AC2B699DA5F9AD CRC64;
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Last annotation update)
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MEDLINE=20196006; PubMed=10731132;
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87716 MW;
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"Cloning and sequence analysis of a new cellulase gene encoding CelK,
a major cellulosome component of Clostridium thermocellum: evidence
for gene duplication and recombination.";
J. Bacteriol. 181:5288-5295(1999).
ENBL: AF039030; AAC06139-1;
HSSP; P04954; ICLC.
           Olano C., Rodriguez A.M., Michel J.M., Mendez C., Raynal M.C., Salas J.A.;
"Analysis of a treptomyces antibioticus chromosomal region involved in oleandomycin biosynthesis, which encodes two glycosyltransferases responsible for glycosylation of the macrolactone ring.";
MOI. Genet. 259:299-308(1998).
Transferase.
                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Clostridium thermocellum.
Bacteria, Firmloutes; Bacillus/Clostridium group; Clostridia; Clostridiales; Clostridiales; Clostridiales; Clostridiales; Clostridiales; Clostridiales; Clostridiales; Clostridiales; Clostridium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50.6%; Score 45; DB 2; Length 895; 63.6%; Pred. No. 79; ive 1; Mismatches 3; Indels
                                                                                                                                                                            50.6%; Score 45; DB 2; Length 426; 75.0%; Pred. No. 40;
                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100712 MW; 5DB1FD84A6750CCE CRC64;
                                                                                                                                            426 AA; 47008 MW; 4BADDD0551BC25EC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                   01-AUG-1998 (TrEMBLrel. 07, Created)
01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
cellulose 1,4-bera-cellobiosidase (EC 3.2.1.91).
                                                                                                                                                                                                                                                                                                                                                        895 AA
                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pfam; PF00404; Dockerin_1; 2.
Pfam; PF0759; Glycchydro-g; 1.
PROSITE; PS00448; CLOS_CELLULOSOME_RPT; 1.
PROSITE; PS00018; EF_HAND; UNKNOWN_1.
PROSITE; PS00592; GLYCOSYL_HYDROL_F9_1; 1.
Glycosidase; Hydrolase.
                                                                                                                                                                                                                                                                                                                                                          PRT;
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MEDLINE=99395035; PubMed=10464199;
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InterPro; IPR004197; cell_D.N.
InterPro; IPR002105; Dockerin_1.
InterPro; IPR002048; EF hand.
InterPro; IPR001701; GH_9.
Pfam; PP02918; cell_N; 1.
MEDLINE=98420102; PubMed=9749673;
                                                                                                                                                                                           Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best_Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 EVLCWTWETCE 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                        239 WVWEPCER 246
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